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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 28

Complete if Known

Application Number	10/771,833
Filing Date	02/03/2004
First Named Inventor	Michael V. Milburn
Group Art Unit	
Examiner Name	
Attorney Docket Number	039363-1106

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AK	A1	4,568,649		Bertoglio-Matte	02-04-1986	
	A2	4,626,513		Burton et al.	12-02-1986	
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SignatureDate
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6/12/2008

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				First Named Inventor	Michael V. Milburn
				Group Art Unit	
				Examiner Name	
Sheet	2	of	28	Attorney Docket Number	039363-1106

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
AK	A47	EP	0463756	A	Pfizer Inc.	04-19-1995		
	A48	EP	0526004	A	Pfizer Limited and Pfizer Inc.	10-08-1997		
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AK	A57	WO	93/12095		Pfizer Limited and Pfizer Inc.	06-24-1993		
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	A66	WO	99/54333		Pfizer Inc. and Pfizer Limited	10-28-1999		

NON PATENT LITERATURE DOCUMENTS					
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	A67	AARONSON, "Growth Factors and Cancer," <i>Science</i> 254:1146-1153 (1991)			
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		Filing Date	02/03/2004
		First Named Inventor	Michael V. Milburn
		Group Art Unit	
		Examiner Name	
Sheet	8	of	28
		Attorney Docket Number	039363-1106

(use as many sheets as necessary)

NON PATENT LITERATURE DOCUMENTS

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AK	A106	DOBELI, "Recombinant Fusion Proteins for the Industrial Production of Disulfide Bridge Containing Peptides: Purification, Oxidation Without Concatamer Formation, and Selective Cleavage," <i>Protein Expr. Purif.</i> 12:404-414 (1998)	
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AK	A114	FIVASH <i>et al.</i> , "BIAcore for Macromolecular Interaction," <i>Current Opinion in Biotechnology</i> 9:97-101 (1998)	
	A115	FLORIO <i>et al.</i> , "Phosphorylation of the 61-kDa Calmodulin-Stimulated Cyclic Nucleotide Phosphodiesterase at Serine 120 Reduces Its Affinity for Calmodulin," <i>Biochemistry</i> 33:8948-8954 (1994)	
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	A120	FRANCIS <i>et al.</i> , "Ligand-Induced Conformational Changes in Cyclic Nucleotide Phosphodiesterases and Cyclic Nucleotide-Dependent Protein Kinases," <i>Methods</i> 14:81-92 (1998)	
	A121	FREIDINGER, RM., "Nonpeptidic Ligands for Peptide and Protein Receptors," <i>Current Opinion in Chemical Biology</i> 3:395-406 (1999)	

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AK	A122	FRUCHT, <i>et al.</i> , "Characterization of Functional Receptors for Gastrointestinal Hormones on Human Colon Cancer Cells," <i>Cancer Research</i> 52:1114-1122 (1992)	
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AK	A130	GORDON and FORD, "Detection of Peroxides and Their Removal," <i>The Chemist's Companion: A Handbook of Practical Data, Techniques, and References</i> , p. 437 (1972)			
	A131	GRAM H., "Phage Display in Proteolysis and Signal Transduction," <i>Combinatorial Chemistry & High Throughput Screening</i> 2:19-28 (1999)			
	A132	GRAVERT and JANDA, "Synthesis on Soluble Polymers: New Reactions and the Construction of Small Molecules," <i>Curr Opin Chem Biol</i> 1(1):107-113 (1997)			
	A133	GREER, J., "Model Structure for the Inflammatory Protein C5a," <i>Science</i> 228:1055-1060 (1985)			
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Sheet	12	of	28

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AK	A138	HAMET <i>et al.</i> , "Cyclic GMP Binding and Cyclic GMP Phosphodiesterase in Rat Platelets," <i>J. Cyclic Nucleotide Res.</i> 4:281-290 (1978)	
↓	A139	HANSELMAN <i>et al.</i> , "A cDNA-Dependant Scintillation Proximity Assay for Quantifying Apolipoprotein A-1," <i>J. Lipid Res.</i> 38:2365-2373 (1997)	
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	A141	HAUCK <i>et al.</i> , "Focal Adhesion Kinase Functions as a Receptor-Proximal Signaling Component Required for Directed Cell Migration," <i>Immunol Res.</i> 21:293-303 (2000)	
	A142	HEIM and TSIEN, "Engineering Green Fluorescent Protein for Improved Brightness, Longer Wavelengths and Fluorescence Resonance Energy Transfer," <i>Curr. Biol.</i> 6:178-182 (1996)	
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✓	A145	HILLE, B., "G Protein-Coupled Mechanisms and Nervous Signaling," <i>Neuron</i> 9:187-195 (1992)	

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AK	A146	HOUGHTEN <i>et al.</i> , "Generation and Use of Synthetic Peptide Combinatorial Libraries for Basic Research and Drug Discovery," <i>Nature</i> 354:84-86 (1991)	
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	A157	JOSEPH-MCCARTHY D., "Computational Approaches to Structure-Based Ligand Design," <i>Pharmacology & Therapeutics</i> 84:179-191 (1999)	
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AK	A162	KLINE <i>et al.</i> , "Studies by ¹ H Nuclear Magnetic Resonance and Distance Geometry of the Solution Conformation of the x-Amylase Inhibitor Tendamistat," <i>J. Mol. Biol.</i> 189:377-382 (1986)	
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				Application Number	10/771,833
				Filing Date	02/03/2004
				First Named Inventor	Michael V. Milburn
				Group Art Unit	
				Examiner Name	
Sheet	16	of	28	Attorney Docket Number	039363-1106

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AK	A170	KUNTZ <i>et al.</i> , "A Geometric Approach to Macromolecule-Ligand Interactions," <i>J. Mol. Biol.</i> 161:269-288 (1982)			
	A171	LAKKAKORPI, <i>et al.</i> , "Stable Association of PYK2 and p130 ^{Cas} in Osteoclasts and Their Co-Localization in the Sealing Zone," <i>J Biol Chem.</i> 274:4900-4907 (1999)			
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✓	A177	LIPAROTO and CIARDELLI, "Biosensor Analysis of the Interleukin-2 Receptor Complex," <i>Journal of Molecular Recognition</i> 12:316-321 (1999)			

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AK	A178	LIPINSKI <i>et al.</i> , "Experimental and Computational Approaches to Estimate Solubility and Permeability in Drug Discovery and Development Settings," <i>Advanced Drug Delivery Reviews</i> 23:3-25 (1997)	
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✓	A185	MALMQVIST <i>et al.</i> , "Biomolecular Interaction Analysis: Affinity Biosensor Technologies for Functional Analysis of Proteins," <i>Current Opinion in Chemical Biology</i> 1:378-383 (1997)	

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Sheet	18	of	28

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AK	A186	MALMQVIST, M., "BIACORE: An Affinity Biosensor System For Characterization of Biomolecular Interactions," <i>Biochemical Society Transactions</i> 27:335-340 (1999)	
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				First Named Inventor	Michael V. Milburn
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Sheet	19	of	28	Attorney Docket Number	039363-1106

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AK	A202	NEIDLE and JENKINS, "Molecular Modeling to Study DNA Intercalation by Anti-Tumor Drugs," <i>Methods Enz.</i> 203:433-458 (1991)	
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AK	A210	OWICKIET <i>et al.</i> , "Application of Fluorescence Polarization Assays in High-Throughput Screening," <i>Genetic Engineering News</i> 17:27 (1997)			
	A211	PAI, <i>et al.</i> , "Structure for the Guanine-Nucleotide-Binding Domain of the Ha-ras Oncogene Product p21 in the Triphosphate Conformation," <i>Nature</i> 341:209-214 (1989)			
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SK	A218	POUL <i>et al.</i> , "Selection of Tumor-Specific Internalizing Human Antibodies From Phage Libraries," <i>Journal of Molecular Biology</i> 301:1149-1161 (2000)	
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		Group Art Unit	
Examiner Name			
Attorney Docket Number	039363-1106		

Sheet

23

of

28

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AK	A226	SAMBROOK <i>et al.</i> , "Introduction of Recombinant Vectors into Mammalian Cells," <i>Molecular Cloning: 2nd Ed.</i> , 16.30-16.37 (1989)	
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	A233	SCHNEIDER, <i>et al.</i> , "Functional Purification of a Bacterial ATP-Binding Cassette Transporter Protein (MalK) From the Cytoplasmic Fraction of an Overproducing Strain," <i>Protein Expr. Purif.</i> 6:10-14 (1995)	

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Sheet	24	of	28	Attorney Docket Number	039363-1106

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AK	A234	SCHREY, <i>et al.</i> , "Bombesin and Glucocorticoids Stimulate Human Breast Cancer Cells to Produce Endothelin, a Paracrine Mitogen for Breast Stromal Cells," <i>Cancer Research</i> 52:1786-1790 (1992)	
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✓	A241	SHEETS <i>et al.</i> , "Efficient Construction of a Large Nonimmune Phage Antibody Library: the Production of High-Affinity Human Single-Chain Antibodies to Protein Antigens," (published erratum) <i>Proc Natl Acad Sci USA</i> 95:6157-6162 (1998)	

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Sheet	25	of	28
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AK	A242	SHETH, <i>et al.</i> , "Isolation and Regulation of the cGMP-Inhibited cAMP Phosphodiesterase in Human Erythroleukemia Cells," <i>Throm. Haemostasis</i> 77:155-162 (1997)	
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Sheet	26	of	28
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AK	A250	TAHER <i>et al.</i> , "Phosphodiesterase Activity in Human Cavemous Tissue and the Effect of Various Selective Inhibitors," <i>J. Urol.</i> 149:285A (1993)	
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Sheet

27

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28

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	A259	VELY <i>et al.</i> , "BIAcore [®] Analysis to Test Phosphopeptide-SH2 Domain Interactions," <i>Methods in Molecular Biology</i> 121:313-321 (2000)	
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Sheet	28	of	28

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SK	A266	WOON, <i>et al.</i> , "Construction and Characterization of a 10-Fold Genome Equivalent Rat P1-Derived Artificial Chromosome Library," <i>Genomics</i> 50:306-316 (1998)	
	A267	WYATT <i>et al.</i> , "ANF Elicits Phosphorylation of the cGMP Phosphodiesterase in Vascular Smooth Muscle Cells," <i>Am. J. Physiol.</i> 274:H448-H455 (1998)	
	A268	XIONG and PARSONS, "Induction of Apoptosis After Expression of PYK2, a Tyrosine Kinase Structurally Related to Focal Adhesion Kinase," <i>J Cell Biol.</i> 139:529-539 (1997)	
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